



BIOS Update Release Notes

PRODUCTS: DG41MJ (Standard BIOS)

BIOS Version 0008

About This BIOS:

- November 5, 2010
- MJG4110H.86A.0008.2010.1105.1353
- VBIOS info:
 - Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:

- Fixed issue where special characters (~!@#, etc.) are not supported for BIOS passwords.
- Fixed issue with certain USB wireless keyboard.
- Fixed issue where SMBIOS Processor Family shows Unknown when a Core 2 processor is installed.
- Fixed issue where the system hangs while executing the command "itoolkit ext -config" with the parameter of "DEVICE=HIMEM.SYS /testmem:on" in config.sys.

BIOS Version 0007

About This BIOS:

- March 6, 2010
- MJG4110H.86A.0007.2010.0306.1149
- VBIOS info:
 - Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK* RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:

- Fixed POST failure with certain PCI graphics card.
- Modified T-segment base address alignment.
- Modified Memory page style to mirror in setup.

BIOS Version 0006

About This BIOS:

- December 23, 2009
- MJG4110H.86A.0006.2009.1223.1155
- VBIOS info:
 - Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:

- Implemented Security Phase 2.
- Fixed display warning messages after installing the INI file generated from Intel® Integrator Toolkit (ITK).

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- Fixed issue where certain graphics card shows exceptionally low system memory.
- Fixed issue where system hangs with POST code 51 during the POST with certain keyboard.
- Updated CPU cache & MTRR related code to the latest version.
- Enabled the wake function of EHCI Controller.
- Improved the BBS function.
- Fixed slow boot issue when USB card reader is connected.
- Fixed issue where system does not boot after disabling the Intel Hyper-Threading Technology setting using ITK.

BIOS Version 0005

About This BIOS:

- October 8, 2009
- MJG4110H.86A.0005.2009.1008.1748
- VBIOS info:
 - Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK* RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:

- Implemented BIOS downgrade protection.
- Added Hotkey check before input User Password.
- Fixed LAN PCIHCT failure.
- Fixed 64-bit operating system issue with four 4GB memory modules.
- Changed ACPI _PWR method from "4" to "3" for all USB controllers.
- Fixed issue where locking "User Access Level" from Integrator Toolkit does not lock the question in Setup.

BIOS Version 0004

About This Release:

- June 29, 2009
- MJG4110H.86A.0004.2009.0629.1645
- VBIOS info:
 - Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK* RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

Note:

BIOS Supervisor password (if set) is now required to downgrade a BIOS to a previous version.

New Fixes/Features:

- Implemented updates to improve security.
- Updated SMM module version update to 4.6.3_SMM_38.
- Fixed failure to Suspend to RAM/S3 on Fedora* 10 and Ubuntu* 9.04.
- Fixed LAN in S3 resume issue.
- Modified Chassis Intrusion.
- Fixed "Legacy Floppy and USB Flash Drive access from DOS".
- Fixed issue where E7600 processor frequency displayed wrong in BIOS.
- Implemented F7 BIOS Update Tool.
- Fixed issue where USB Keyboard cannot be used to enter Setup when USB ports are disabled.

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- Modified EM64T string.
- Fixed issue where missing processor SMBIOS information causes WHQL test failures.
- Fixed issue where after setting the boot menu, the floppy drive disappears in the operating system.
- Fixed issue with WHQL CRASH failure with certain graphics cards.
- Fixed issue where F7 BIOS Update Tool cannot recognize certain ISO9660 images.
- Fixed issue where BIOS boot order disappears after pressing F9 with a BIOS modified by Intel® Integrator Toolkit.
- Fixed issue where the device containing a .BIO file does not appear in Bios Flash Update menu.
- Fixed issue where detect keyboard in DXE phase fails on very rare occasions.
- Fixed ACPI error in Windows* Event Log.
- Fixed issue where POST will wait for user to press F1 key when SMART boot drive is enabled in Setup and a failure occurs.
- Changed the "Boot Device Priority" default boot order in normal mode.

BIOS Version 0003

About This BIOS:

- March 13, 2009
- MJG4110H.86A.0003.2009.0313.1434
- VBIOS info: Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:

- Fixed issue where system won't auto-power on when "Wake system from S5" is enabled, and then flashing BIOS with reboot parameter.
- Updated POST flash hotkey (F7) to add filename extension filter of BIO.
- Fixed issue that prevented flashing BIO of other platforms under POST flashing (F7).
- Fixed issue where BIOS will stop at check point 0x51/0x50 about 1 minute before boot when populating the USB flash drive.
- Changed help message in POST flashing (F7).
- Added "Configure SATA as" setup option in legacy mode.
- Enhanced POST speed.
- Fixed issue where some 3D Games will hang when using certain graphics cards.
- Fixed issue where detecting keyboard in DXE phase fails on very rare occasions.
- Fixed issue where ACPI error occurs in Windows Event Log.
- Fixed issue where POST will wait for user to press F1 key when SMART boot drive is enabled in Setup and a failure occurs.

BIOS Version 0002

About This BIOS:

- January 12, 2009
- MJG4110H.86A.0002.2009.0112.1041
- VBIOS info: Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK* RTL8111B-GR Boot Agent PXE Base Code (PXE-2.1 build 082)

New Fixes/Features:

- Initial production BIOS release

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